A1063

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Cheng H. Huang et al.

Application No. : 10/646,013

Confirmation No. : 8979

Filed : August 22, 2003

For : ELECTRICALLY-PROGRAMMABLE INTEGRATED

CIRCUIT ANTIFUSES

Group Art Unit : 2826

Examiner : Remmon R. Forde

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, applicants hereby bring the attention of the Examiner to the documents listed on the attached Form PTO-1449 (submitted in duplicate).

A copy of each listed document that is not a U.S. patent is enclosed herewith.

Respectfully Submitted,

G. Victor Treyz/, Reg. No. 36,294

Attorney for Applicants

Customer No. 36532

of 1995, no persons are required to re

Substitute for form 1449A/PTO

PTO/SB/08a (08-03) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE sound to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known **Application Number** 10/646,013 Filing Date 8/22/2003 First Named Inventor Cheng H. Huang Art Unit 2826 **Examiner Name** Remmon R. Forde

(Use as many sheets as necessary)

Attorney Docket Number A1063

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 4,207556	06-10-1980	Yoshi et al.	
		^{US-} 4,433,331	02-21-1984	Kollaritsch	
		^{US-} 4.609.986	02-21-1986	Hartmann et al.	
		US- 4.617.479	10-14-1986	Hartmann et al.	
		4,761,768	08-02-1988	Turner et al.	
		^{us-} 4.642.487	02-10-1987	Carter	
	İ	^{us-} 5,510,730	04-23-1996	El Gamal et al.	
		^{us-} 5,291,434	03-01-1994	Kowalski	
		^{US-} 6,477,094	11-05-2002	Kim et al.	
		^{US-} 6,456,546	09-24-2002	Kim et al.	
		^{US-} 5,303,199	04-12-1994	Ishihara et al.	
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		^{us-} 5,463,244	10-31-1995	De Araujo et al.	
		^{US-} 6,125,069	09-26-2000	Aoki	
		^{US-} 6,108,261	08-22-2000	Kim et al.	
		^{US-} 5,844,298	12-01-1998	Smith et al.	
		^{US-} 5,831,923	11-03-1998	Casper	
		US- 10/780,427	N/A	Chih-Ching Shih et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document		T ⁶
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Substitute for form 1449B/PTO Complete if Known Application Number 10/646,013 **INFORMATION DISCLOSURE** Filing Date 8/22/2003 First Named Inventor STATEMENT BY APPLICANT Cheng H. Huang Art Unit 2826 (Use as many sheets as necessary) Examiner Name Remmon R. Forde Sheet 2 Attorney Docket Number 2 A1063

	NON PATENT LITERATURE DOCUMENTS				
Examiner Cite Include name of the authoritials* No.1 magazine, journal, serior		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
		WEI ZHANG ET AL., "Energy Effect of the Laser-Induced Vertical			
		Metallic Link", IEEE Transactions on Semiconductor Manufacturing, Vol 14, No. 2, May 2001 pp 163-169	}		
		"Analyzing the process window for laser copper-link processing"			
· · · · · · · · · · · · · · · · · · ·	<u> </u>	Solid State Technology - Semiconductor manufacturing and wafer fabrication, Jan 8, 2003	1		
***************************************		ALEXANDER KALNITSKY et al. "CoSi2 integrated fuses on poly silicon for low voltage 0.18 um CMOS applications" (c) 1999 IEEE			
		MOHSEN ALAVI "A PROM Element Based on Salicide Agglomeration of Poly Fuses in a CMOS logic process" IEEE International Electron Devices Meeting, December 1997			
		NORIAKI SATO et al. "A New Programmable Cell Utilizing Insulator Breakdown", IEDM 1985, pp 639-642			
		JINBONG KIM et al. "Three-Transistor One-Time Programmable (OTP) ROM Cell Array Using Standard CMOS Gate Oxide Antifuse", IEEE Electron Device Letters, Vol 24, No. 9, September 2003 pp. 589-591			
		WEI ZHANG et al. "Laser-Formed Vertical Metallic Link and Potential Implementation in Digital Logic Integration", PROC MAPLD, MD, 1999 pp 1-7 (B5)			

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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